

20010421.qrp v02\_n166.qrl.20010421

Date: Sat, 21 Apr 2001 19:03:13 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2166

QRP-L Digest 2166

Topics covered in this issue include:

- 1) [96789] Re: Toroid Question  
by Bruce Muscolino <w6toy@erols.com>
- 2) [96790] Changing ISP's  
by John Farler <jfarler@mis.net>
- 3) [96791] Re: long wire antennas  
by Bruce Muscolino <w6toy@erols.com>
- 4) [96792] Source for the electric fence wire standoffs that will fit 450 ohm ladder line.  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 5) [96793] Re: Changing ISP's  
by Chris Trask <ctrask@qwest.net>
- 6) [96794] Re: Changing ISP's  
by Bruce Muscolino <w6toy@erols.com>
- 7) [96795] AT in PA Activation  
by "Ron Polityka" <wb3aal@fast.net>
- 8) [96796] RE: You must stop me NOW! I need some intervention here!  
by Nick Kennedy <nkennedy@tcainternet.com>
- 9) [96797] Re: Fun with Ferrites (longish)  
by Fran Flynn <fflynn@adelphia.net>
- 10) [96798] OPERATING - USS Kidd on tonight  
by n5ib@juno.com
- 11) [96799] A further word on Harbor Freight...  
by "Ed Tanton" <n4xy@att.net>
- 12) [96800] Four Threads: QRPTTF, Intervention, Susie the Cow, and Long Wires  
by FrConrad@aol.com
- 13) [96801] FDIIM 2001 Registrations  
by "Kenneth Evans" <w4du@mediaone.net>
- 14) [96802] [MH101} 78L08 versus TA78L 008AP 8L  
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 15) [96803] RE:changing isp's & qrp-l  
by John Farler <jfarler@mis.net>
- 16) [96804] CQ Miami  
by Paul Womble <pwomble1@tampabay.rr.com>
- 17) [96805] RE: You must stop me NOW! I need some intervention here!  
by Nancy Rabel Hall <kc4iyd@yahoo.com>
- 18) [96806] More Fun with Milliwatts  
by Monty N5FC <n5fc@io.com>

- 19) [96807] Re: AT in PA Activation  
by "Ron Polityka" <wb3aal@fast.net>
- 20) [96808] Re: long wire antennas  
by "Pastor-KC1DI" <elbc@pivot.net>
- 21) [96809] RE: You must stop me NOW! I need some intervention here!  
by ac5ez@webtv.net (Larry)
- 22) [96810] MAHA Batt Pack for ft-817  
by "Rod Cerkoney" <n0rc@hotmail.com>
- 23) [96811] NOGA members activate the Appalachian Trail for Georgia QSOs 4/19/01  
by "Sam Billingsley" <sambillingsley@earthlink.net>
- 24) [96812] Re: [MH101} 78L08 versus TA78L 008AP 8L  
by Bruce Muscolino <w6toy@erols.com>
- 25) [96813] Long Wires  
by "James R. Duffey" <jamesd1@flash.net>
- 26) [96814] Re: [MH101} 78L08 versus TA78L 008AP 8L  
by "John J. McDonough" <wb8rcr@arrl.net>
- 27) [96815] Weird RFI problem  
by "Dan W. Dooley" <dandooley@pipeline.com>
- 28) [96816] Re: [fpqrp] Weird RFI problem  
by Bryn Joynes <bryn@pcpractice.com>
- 29) [96817] Amazing Analyzer Arrives in Tucson  
by DYARNES@aol.com
- 30) [96818] Re: [fpqrp] Weird RFI problem  
by Andrew Madsen <andrew@utahdesign.com>
- 31) [96819] Items for sale - all accounted for - tn timer  
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
- 32) [96820] Fifty on 20CW with SLQ!  
by David Gauding <david.gauding@bbs.galilei.com>
- 33) [96821] Phil de package came in..  
by hamjoel@juno.com
- 34) [96822] re Regulators  
by Pete Burbank <plburbank@kih.net>
- 35) [96823] Re: 10 Turn Pot For SW40+  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 36) [96824] Re: Harbor Freight?  
by Tom Popovic <ki3r@yahoo.com>
- 37) [96825] Re: [fpqrp] Weird RFI problem  
by "Dan W. Dooley" <dandooley@pipeline.com>
- 38) [96826] Re: re Regulators  
by "Mike Yetsko" <myetsko@insydesw.com>
- 39) [96827] Re: [fpqrp] Weird RFI problem  
by Andrew Madsen <andrew@utahdesign.com>
- 40) [96828] DSW-X0/PC tuning program, progress report  
by "William Mabry" <n4qa@hotmail.com>
- 41) [96829] SWR Formula ?  
by Ed Kessler <edkess@pa.net>
- 42) [96830] Re: SWR Formula ?  
by tf3vst@vortex.is (Villi Idunni)

- 43) [96831] QRP to Yukon, NT!  
by "TC Dufresne" <tdufres@radiks.net>  
44) [96832] Help, Century 21  
by "Pastor-KC1DI" <elbc@pivot.net>

---

Date: Fri, 20 Apr 2001 18:57:36 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: w8diz@fpqrp.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [96789] Re: Toroid Question  
Message-ID: <3AE0BEE0.1D717F4@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The nomenclature FT50-43 and others including T50-2 was popularized in ham radio by Amidon Products. It was said to be the same as their supplier used. I don't remember who that was any longer. The nomenclature has also been used by Palomar for their toroid cores. The nomenclature has three parts, T, or FT, for toroid or ferrite, 50, or other number, designating the diameter of the core, and -2 or -34, or other number designating the type of toroid mix.

73

---

Date: Sat, 21 Apr 2001 00:17:34 -0400  
From: John Farler <jfarler@mis.net>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [96790] Changing ISP's  
Message-ID: <3AE109DE.F91F4B1F@mis.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I am in the process of changing Internet Service Providers. From looking at the help file for qrp-l, it appears that the proper procedure to change with the listserv is to register as a new subscriber under the new provider's email, then unsubscribe using the old email account. I suppose the member number will change. Is this the correct procedure??

Thanks, John Farler, K4AVX  
jfarler@mis.net  
will be  
jfarler@peoplepc.com

-----  
Date: Fri, 20 Apr 2001 19:10:43 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: ka9nzi@arrl.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [96791] Re: long wire antennas  
Message-ID: <3AE0C1F3.6E2408A0@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gary,

There is no doubt that long wire antennas can sometimes be difficult to tame. However, there is almost no other antenna that is as easy to erect as the long wire. The problems can also be tamed pretty easily.

As a user of end fed antennas for almost 20 years now, I find the problems fall into two categories, impedance and grounding. Any long wire antenna that approaches a half wavelength or even multiple of a half wavelength can cause problems with the matching range of your tuner. The solution can be as simple as splicing in another length of wire or using a different set of tuner settings.

The ground issue is probably the least understood and most difficult to satisfy. The antenna wants to see a good RF ground at the transmitter. This can be a problem with any ground run longer than a couple of feet, because it becomes resonant at some frequency! I have used an Artificial Ground for over 10 years with a short piece of wire attached to it. This has given me good coverage even on 10 meters. Remember, you are trying to get a quarter wave here. Before the Artificial Ground I used a radial system under the carpet in the bedroom I was using as a shack. It also worked pretty well.

73

-----  
Date: Fri, 20 Apr 2001 18:22:53 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: <qrp-1@Lehigh.EDU>

Subject: [96792] Source for the electric fence wire standoffs that will fit 450 ohm ladder line.

Message-ID: <000f01c0c9f0\$d2c9fa00\$4e100a0a@rohredt2000>

Some discussion resulted from my finding a \$5 bag of 25 standoff insulators that would hold up ladder line.

The ones I found were in the fence department of a local Home Depot chain building supplies center.

They are made by Red Snapper of Ellendale MN. They are black plastic, thus, should resist UV rays.

They come with nails for the base. They are 5 1/2 inches long. You can get the 450 ohm line to enter the clips at the top by twisting it onto them at one of the windows. It spreads the wires apart a bit, but with a transmatch being used anyway with this type of dipole feed, all is tuned out by the matching circuit.

The standoff can be attached to a round or flat surface. If you put a machine screw or sheet metal screw into the nail hole, you could attach these to a tubing mast, or tower leg. If you have a reciprocating saw or Dremel tool, you could cut slots in the sides of the standoff U shaped piece for screw adjust hose clamps to clamp these to a pipe or tower leg.

I can see these being used to support loop antennas under house eaves, or on flat roofs. I can see folks having 3 runs of ladder line up tower legs, for various Delta loops or multi-band dipoles.

Going to hardware or home centers is fun, for you can find lots of neat ham antenna materials from non conventional sources.

72,

Stuart K5KVH

-----  
Date: Fri, 20 Apr 2001 16:39:13 -0700

From: Chris Trask <ctrask@qwest.net>

To: jfarler@mis.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [96793] Re: Changing ISP's

Message-ID: <3AE0C8A1.44364C52@qwest.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Chris

```
>  
> I am in the process of changing Internet  
> Service Providers. From looking at the  
> help file for qrp-1, it appears that the  
> proper procedure to change with the listserv  
> is to register as a new  
> subscriber under the new provider's email,  
> then unsubscribe using the old email account.  
> I suppose the member number will change.  
> Is this the correct procedure??  
>  
> Thanks, John Farler, K4AVX  
> jfarler@mis.net  
> will be  
> jfarler@peoplepc.com
```

— —

[illegible]

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Email: ctrask@qwest.net  
http://www.\*\*\*\*\*.net/~ctrask

Graphics by Loek Frederiks

Date: Fri, 20 Apr 2001 19:31:55 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: jfarler@mis.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [96794] Re: Changing ISP's

Message-ID: <3AE0C6EB.C3573B16@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

John,

The part about subscribing and unsubscribing seems accurate enough. but I don't think you number will change, that is for life!

73

-----  
Date: Fri, 20 Apr 2001 19:41:54 -0400  
From: "Ron Polityka" <wb3aal@fast.net>  
To: ".G-QRP Club" <GQRP@egroups.com>, "Appalachian Trail Award" <ATRAIL-L@Lehigh.EDU>, ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>, ". Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>  
Subject: [96795] AT in PA Activation  
Message-ID: <020e01c0c9f3\$7c2354a0\$785278cc@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello,

At the moment it looks like I will be at one of my favorite locations on the Appalachian Trail. If it is not raining hard on April 21, 2001 I should be on the AT, east of Route 183 in Berks county, PA.

I should be on the air by 12:00 UTC. I am going to start on 10 meters and work my way to 12, 15, 17 and so on. I will be on the QRP CW frequencies. If anyone needs a SSB contact I will be more than happy to QSY. I will be leaving the area around 17:00 UTC.

I will make a post tomorrow morning around 10:00 UTC on the status and wx conditions of the trip.

Hope to work you from the AT in PA.

72 & 73  
Good DXing

Ron Polityka  
de WB3AAL

wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv

<http://www.n3epa.org>

Eastern Pennsylvania QRP Club Call

N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

-----  
Date: Fri, 20 Apr 2001 18:42:49 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96796] RE: You must stop me NOW! I need some intervention here!  
Message-ID: <01C0C9C9.B3C1B5C0.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

"I got 14 radios in this room! Fourteen!"

Fourteen, eh? Wonder if that's typical with people suffering from your particular obsession. If you don't think about 'em all at once, it ain't so bad. But let's see ...

QRP homebrew transceivers: 4  
QRP commercial transceivers: 1  
HF transceivers: 2  
Boatanchor transmitters: 4 (DX-40, HT-40, Sonar, Homebrew MOPA)  
Boatanchor receivers: 2 (Drake 2B, S-120)  
HTs & 2M FM boxes: 3

Sixteen! Hey, pass the lutefisk, will ya? And pour me an akvavit.

72--Nick, WA5BDU  
(And let's don't even get started on the three banjos.)



-----  
Date: Fri, 20 Apr 2001 20:09:18 -0400  
From: Fran Flynn <fflynn@adelphia.net>  
To: qrp-1@Lehigh.EDU  
Subject: [96797] Re: Fun with Ferrites (longish)  
Message-ID: <3AE0CFAE.C7639D6A@adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I've seen coils with permanent magnets used in TV's and computer monitors. I guess it's the same basic principle without the power supply. They are used in sweep circuits where the inductance needs to be changed for different polarities of a signal, in a sweep circuit the time to sweep from left to right is longer than the time it takes to return the electron beam to the left side of the screen. I wonder if one of these coils might make a variable reactor that requires less current since it has the magnet in it to provide some "bias".

On another subject, I seem to have hit a nerve with the SSB QRP comment that I made. I just said that CW or PSK works better, I didn't say it wasn't possible or even a lot of fun to work SSB QRP.

BTW, look for our SSB signal during field day, we'll be running some along with CW of course. Listen real hard for N1QS, the NVQS club or "Northern Vermont Qrp Society".

I already got a dozen replies from my first posting, I don't need a dozen more, thank you.

72! Fran Km1z

-----  
Date: Fri, 20 Apr 2001 20:38:33 EDT  
From: n5ib@juno.com  
To: qrp-1@Lehigh.edu  
Subject: [96798] OPERATING - USS Kidd on tonight  
Message-ID: <20010420.193845.4647.2.n5ib@juno.com>

Hi gang,

Here's a rare opportunity to work the USS Kidd on the lower bands. There's an overnight group going aboard tonight and I'm in "temporary batchelor" status while my sweetie and bride of 28 years, WD5CMA, is

visiting the kids at college.

I'll be QRV by about 0130 to 0200 Z on 30 m (about 10.120 or down from there) and will hang in that area while contacts continue, then I'll move to 7042 or so. I'm bringing my air mattress and sleeping bag, and just might stay the night.

I'll be out of e-mail touch while aboard - so if any of y'all hear me, you might post a note to the list, especially if you hear me after switching bands - or post a spot to the DX cluster too...

Rig will be K-2 #1233 to the end-fed wire on the ship. QSL information to follow tomorrow...

72

W5KID, The Pirate of the Pacific, DD-661, USS Kidd  
Baton Rouge, Louisiana

operator on watch: Jim N5IB

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Fri, 20 Apr 2001 21:11:23 -0400

From: "Ed Tanton" <n4xy@att.net>

To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>

Subject: [96799] A further word on Harbor Freight...

Message-ID: <CKEGICNFDIMCEKEDCEHFKEAIGOOA.n4xy@att.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Folks... I mentioned that I HAD received the punch, but that the vise I ordered at the same time (since the shipping was supposed to be free) was back-ordered. I emailed Harbor Freight ~ THU and asked about the vise. Got a reply today, detailing the date of the B/O (04/22/2001). Coincidentally, that same day-after I had sent the email query-I received a reply-paid postcard so I could cancel the order if I wanted to.

So, overall, that's pretty good service.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374

R-390-A: Capehart SN: 2241

51S-1 WE SN: 4389

-----  
Date: Fri, 20 Apr 2001 21:16:09 EDT  
From: FrConrad@aol.com  
To: qrp-l@lehigh.edu  
Subject: [96800] Four Threads: QRPTTF, Intervention, Susie the Cow, and Long Wires  
Message-ID: <4b.a602c09.28123959@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

To all:

I'll be operating QRPTTF (which is indeed on the 28th) as WB6MFS/XE, Quetzalcoat1 Provisional Monolith (by the time I send the exchange once, the contest will be over) from Cuernavaca (Cow Head) Mexico. I'll be using a half-wave wire into a ZM-2 on 40, which becomes a full wave long wire on 20 (hey! Do the math). I use a quarter wave counterpoise and it seems to work.

That said, I haven't bought any cheapo tools from Harbor Freight and I don't have 14 or 16 radios, but I do think the grinnin' turkey Nils is my alter ego.

Well, I guess that sort of wraps it up.

Hasta Luego,

John+

-----  
Date: Sat, 21 Apr 2001 01:58:43 +0100  
From: "Kenneth Evans" <w4du@mediaone.net>  
To: "QRPFORUM" <qrp-parci@qth.net>, "QGRP" <QGRP@yahooogroups.com>, "QRP-1 Discussion" <qrp-l@Lehigh.EDU>

Subject: [96801] FDIM 2001 Registrations  
Message-ID: <006f01c0c9fe\$396e9b00\$6501a8c0@atl.mediaone.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I just updated the list of those who are registered for the FDIM 2001 Seminar and the QRP ARCI Awards Banquet. The list is found at <http://www.qrparci.org/fdim2001.htm> . I am leaving for a week in Colorado tomorrow. Trying to catch trout with my son-in-law. I return late on the 29th, so will not update the list again until April 30th. This is the time I usually get a burst of registrations. So if you do not hear from me, please do not worry. I'll return on the 30th and dive back into the registrations.

See you at Dayton!  
72/3,  
Ken W4DU  
QRP ARCI #696, GQRP, NOGA, NORCAL, ARRL-Life

-----  
Date: Fri, 20 Apr 2001 18:21:36 -0800  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>  
Subject: [96802] [MH101} 78L08 versus TA78L 008AP 8L  
Message-ID: <3AE0EEB0.10022BAE@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I am trying to pull my parts together for the MH101 30 meter rig and have a question.

I found a TA78L  
008AP 8L device in my parts drawer.

Is this the same the 78L08 called for in the parts list? There is one extra "zero" on the second line and the 8L is a mystery unless it is confirming the 8 volts.

Thank you.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska

(BP51cc) - 61.101 North, 149.824 West  
<http://www.qsl.net/al7fs/>

-----  
Date: Sat, 21 Apr 2001 04:34:32 -0400  
From: John Farler <jfarler@mis.net>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [96803] RE:changing isp's & qrpl  
Message-ID: <3AE14618.B503BDA6@mis.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks for all the help on this matter.  
Will be nice to keep the same qrp-l  
number.  
I will have some time overlap with the two  
providers, since I am going to make  
certain I can use my browser and email  
agent of preference on the new account.  
Thanks for the help....

John Farler, K4AVX  
jfarler@mis.net  
jfarler@peoplepc.com

-----  
Date: Fri, 20 Apr 2001 23:36:48 -0400  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: QRP-L <qrp-l@lehigh.edu>  
Cc: FP List <fpqrp-l@mpna.com>  
Subject: [96804] CQ Miami  
Message-ID: <3AE10050.D73EE36A@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I will be in Miami next Wednesday afternoon through Friday night. Any  
QRP or other ham meetings or gatherings going on?

Paul K4FB

-----  
Date: Fri, 20 Apr 2001 21:23:13 -0700 (PDT)

From: Nancy Rabel Hall <kc4iyd@yahoo.com>  
To: nkennedy@tcainternet.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96805] RE: You must stop me NOW! I need some intervention here!  
Message-ID: <20010421042313.4863.qmail@web612.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hey,

--- Nick Kennedy <nkennedy@tcainternet.com> wrote:  
> "I got 14 radios in this room! Fourteen!"

14! That's nothing, I just counted 21 in this room!  
Two-One, 21!

> Fourteen, eh? Wonder if that's typical with people  
> suffering from your  
> particular obsession. If you don't think about 'em  
> all at once, it ain't  
> so bad. But let's see ...

Part of the problem is that both the OM and I are  
licensed so we end up with pairs of radios. Plus with  
the 2m rigs and HT, if one dies or the newest model  
comes out, he just have to have it. Personally, I  
think the 2m handhelds just multiple when we're not  
looking.

> QRP homebrew transceivers: 4  
> QRP commercial transceivers: 1  
> HF transceivers: 2  
> Boatanchor transmitters: 4 (DX-40, HT-40, Sonar,  
> Homebrew MOPA)  
> Boatanchor receivers: 2 (Drake 2B, S-120)  
> HTs & 2M FM boxes: 3

QRP transceivers 9  
(don't ask how many is complete, please!)

HF transceivers: 3 (1 is a Drake spare for our current  
Drake TR-7 which isn't putting out full power on 40  
and 80m, other one is Kenwood TS50)

Boatanchors: 1 (Hammerlund HQ-140X)  
I don't even know what this one is. The OM got it from  
his elmer. Methinks his elmer just wanted it out of  
his house so now its taking up space in our radio

room.

HTs & 2m FM boxes: 8  
includes a 2m base rig, 2m/440 base rig, 4 handhelds  
(that's just this room, there are others in our  
bedroom and the OMs computer room that's not counted  
here), 2 MFJ VHF data radios

> Sixteen! Hey, pass the lutefisk, will ya? And pour  
> me an akvavit.

Sixteen, bah! again I say, bah! Now let's see,  
there's the mobile rigs in each of our cars....

72 de kc4iyd/8  
Nancy

-----  
Do You Yahoo!?  
Yahoo! Auctions - buy the things you want at great prices  
<http://auctions.yahoo.com/>

-----  
Date: Sat, 21 Apr 2001 03:13:33 -0500  
From: Monty N5FC <n5fc@io.com>  
To: AQRPE@groups.com, qrp-l@Lehigh.edu  
Subject: [96806] More Fun with Milliwatts  
Message-ID: <4.3.2.7.1.20010421030430.00ae9ed0@mail.io.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hey Gang!

I was so encouraged with the results of my 10 db attenuator, that I went  
the next logical step - more attenuation, and toggle-switch  
flexibility. This 0-35 db attenuator is about a \$25 weekend project, so  
join in the fun!

<http://www.io.com/~n5fc/atten2.htm>

Larry, W0QE in Denver provided my first on-the-air baptism-by-fire. I  
responded to his S9+ CQ on 20 meters with 30 db of attenuation following my  
5W, for about 5 milliwatts out. We made a clean exchange on my 339 sig,

then continued to ragchew at somewhat higher power. 767 miles for about 150,000 miles-per-watt. At one point, I was down to less than 2 mW, and he could still copy about 75%.

I'm after that elusive 1,000,000 mpw mark...

72,  
monty N5FC

Monty Northrup, N5FC  
Austin, Texas  
e-mail: n5fc@io.com  
web page (ham radio): <http://www.io.com/~n5fc>  
web page (home): <http://www.io.com/~maddog>

-----  
Date: Sat, 21 Apr 2001 05:36:34 -0400  
From: "Ron Polityka" <wb3aal@fast.net>  
To: "Appalachian Trail Award" <ATRAIL-L@Lehigh.EDU>, ".G-QRP Club" <GQRP@egroups.com>, ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>, ". Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>  
Subject: [96807] Re: AT in PA Activation  
Message-ID: <001a01c0ca46\$8ef7cd60\$e3065cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello,

I am getting ready to leave soon for the Appalachian Trail.

Should be on the air around 12:00 UTC starting out on 10 meters.  
Hopefully I will be able to work Europe and the west as the higher bands open.  
I will probably be on 40 meters sometime between 15:00 to 16:00 UTC.

My location will be just East of Route 183 in Berks County in PA.

72 & 73  
Good DXing

Ron Polityka  
de WB3AAL  
wb3aal@fast.net



vvv Eastern Pennsylvania QRP Web Page vvv

<http://www.n3epa.org>

Eastern Pennsylvania QRP Club Call

N3EPA E-mail address: [n3epa@fast.net](mailto:n3epa@fast.net)

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

-----  
Date: Sat, 21 Apr 2001 06:31:44 -0400  
From: "Pastor-KC1DI" <[elbc@pivot.net](mailto:elbc@pivot.net)>  
To: <[w6toy@erols.com](mailto:w6toy@erols.com)>, "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [96808] Re: long wire antennas  
Message-ID: <005801c0ca4e\$43b3f1a0\$6d10a1d0@elbc>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi All have bee enjoying the Thread about long wires. I've been using random and long wires for over 25 years in on fashion or other.. everything from 1500 ft 6 longwire system , to 100' ramdom wires all end fed. And if Properly treated the perform very well. once talk with a station on 10 m when I was on the Island of Okinawa, I was using a 250 Long wire but his was 1 mile long and only 10 feet above ground but what a signal he had on 10m.. We could talk any time the band even gave a hint of an opening.

Any Way I've found that what Bruce said below is very true.. and find it interesting that many ham reject the Long wire /Random Wire ( for the purpose of this post I consider any wire over 1 wavelength at the operating frequency a Long wire & those shorter than that a random wire) because they don't understand the need of a good RF ground with such a Critter. once you have the Grounding correct and the right tuner , they work very very well. My two cents worth. Have fun and enjoy ham radio.. and to me that means doing the best I can without spending big bucks on commercial antennas- but to each his own.. 500 foot spool of wire at Home Depot is # 12- \$20. here. you can make two 250 ft LW from each Spool , and it you have the room it well worth the investment .

73&72 Dave KC1DI

100% CW

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, April 20, 2001 7:10 PM  
Subject: Re: long wire antennas

> Gary,  
>  
> There is no doubt that long wire antennas can sometimes be difficult to  
> tame. However, there is almost no other antenna that is as easy to erect  
> as the long wire. The problems can also be tamed pretty easily.  
>  
> As a user of end fed antennas for almost 20 years now, I find the problems  
> fall into two categories, impedance and grounding. Any long wire antenna  
> that approaches a half wavelength or even multiple of a half wavelength  
> can cause problems with the matching range of your tuner. The solution can  
> be as simple as splicing in another length of wire or using a different  
> set of tuner settings.  
>  
> The ground issue is probably the least understood and most difficult to  
> satisfy. The antenna wants to see a good RF ground at the transmitter.  
> This can be a problem with any ground run longer than a couple of feet,  
> because it becomes resonant at some frequency! I have used an Artificial  
> Ground for over 10 years with a short piece of wire attached to it. This  
> has given me good coverage even on 10 meters. Remember, you are trying to  
> get a quarter wave here. Before the Artificial Ground I used a radial  
> system under the carpet in the bedroom I was using as a shack. It also  
> worked pretty well.  
>  
> 73  
>  
>

---  
Outgoing mail is certified Virus Free.  
Checked by AVG anti-virus system (<http://www.grisoft.com>).  
Version: 6.0.250 / Virus Database: 123 - Release Date: 4/18/01

-----  
Date: Sat, 21 Apr 2001 06:18:58 -0500 (CDT)  
From: ac5ez@webtv.net (Larry)  
To: qrp-1@lehigh.edu  
Subject: [96809] RE: You must stop me NOW! I need some intervention here!  
Message-ID: <3558-3AE16CA2-3841@storefull-111.iap.bryant.webtv.net>  
Content-Disposition: Inline

Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)

Well, dont feel so guilty about hanging on to my 2m Ht even if I dont ever use it .The only other radios are the Jupiter and a 0hr 30m qrp rig.

K1zw  
Larry  
Qcwa

-----  
Date: Sat, 21 Apr 2001 06:00:42 -0600  
From: "Rod Cerkoney" <n0rc@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [96810] MAHA Batt Pack for ft-817  
Message-ID: <0E51a8d9Ee4zadTMVwV000012a2@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

FT-817 owners,

Checkout <http://www.mahaenergy.com/products/nimhbp/yaesu/mhfnb72.htm>

for details. From that page:

"Maha is proud to present an ultra high capacity 1700mAh (vs. original's 1000mAh) Nickel Metal Hydride battery pack for the popular Yaesu FT-817. In addition to having nearly 50% more juice in the same size, the battery pack is complete with Maha's exclusive "rapid charging cable." "

The price is \$59.95

73, Rod N0RC  
Ft Collins CO

-----  
Date: Sat, 21 Apr 2001 08:31:06 -0400  
From: "Sam Billingsley" <sambillingsley@earthlink.net>  
To: "klqrp" <Klqrp@knightlites.org>, <QRP-L@Lehigh.EDU>, "\_NOGAQRP\_reflector" <nogaqrp@qth.net>

Subject: [96811] NOGA members activate the Appalachian Trail for Georgia QSOs  
4/19/01

Message-ID: <001901c0ca5e\$f7b2ca40\$a64eafd8@sbillingsley>

Jim AD4J and Sam AE4GX, both from the North Georgia QRP Club, made a short trial run to the Appalachian Trail for testing rigs and antennas. Very fun effort and will plan to schedule revisit soon. Check out the pictures and story at:

[http://www.qsl.net/ae4gx/AT\\_Woody\\_Gap.htm](http://www.qsl.net/ae4gx/AT_Woody_Gap.htm)

Sam Billingsley AE4GX Atlanta, GA

-----  
Date: Sat, 21 Apr 2001 08:42:57 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: al7fs@pobox.alaska.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [96812] Re: [MH101} 78L08 versus TA78L 008AP 8L  
Message-ID: <3AE18051.5434B1BE@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jim,

I wouldn't think the TA78 is the same device. The 78 series regulators should be marked as such. I have only seen the TA prefix associated with amplifiers. Of course I haven't seen them all so it's the device's funeral is you are wrong. If it was in a junk drawer with no data sheet, what's the loss?

73

-----  
Date: Sat, 21 Apr 2001 07:22:29 -0600  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <qrp-l@lehigh.edu>  
Subject: [96813] Long Wires  
Message-ID: <B706E5B4.8878%jamesd1@flash.net>  
Mime-version: 1.0

Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Some comments on Long Wires.

1. A 135 ft long wire is roughly an integer multiple of a half wave on all bands from 80 M up. It will work as an excellent antenna on all of these bands.
2. This antenna can be fed with a inductor series/output capacitor shunt L-network against a resonant counterpoise on all bands. The counterpoise can be as simple as a quarter wave resonant wire for each band. Ideally the length of the counterpoise wire should be adjusted until the current in the radial and the current in the antenna are equal. This condition may be difficult to meet on all bands simultaneously.
3. As with all antennas, the higher up you get it the better, unless you are primarily interested in local QSOs.
4. If erected as an inverted L (Part of the wire vertical and part horizontal) the radiation will be a combination of vertically and horizontally polarized.
5. Half wave horizontal antennas, erected lower than a half wave above ground, will be pretty much omni directional.
6. The maximum radiation will be perpendicular to the antenna on the lower bands and off the end for the higher bands. Make sure that the antenna points in a direction where there are stations you want to work.
7. RF in the shack can usually be tamed with proper attention to the counterpoise and judicious use of choke baluns on the coax portion of the feed line.
8. A suggested set up is a remote tuner such as the LDG outside the shack with coax running to the rig.
9. The 135 ft wire could be used as a quarter wave Marconi antenna on 160 M, but an excellent ground will be required.

I hope that this is of some interest. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----

Date: Sat, 21 Apr 2001 10:19:14 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Cc: <al7fs@pobox.alaska.net>  
Subject: [96814] Re: [MH101} 78L08 versus TA78L 008AP 8L  
Message-ID: <001901c0ca6e\$0c617220\$010044c0@baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Jim Larsen AL7FS" <al7fs@pobox.alaska.net>  
Subject: [MH101} 78L08 versus TA78L 008AP 8L

> Is this the same the 78L08 called for in the parts list? There is one

I found a sheet on the net (<http://www.dicopel.com.mx/secc3.pdf>) which claims that the TA78L008 is a Toshiba number for the NJM78L08. So it does look like maybe it's a regulator. Unfortunately, the sheet isn't a datasheet for the 78L08 but some sort of collection of cross references, so it's hard to determine just how much to believe it.

On the other hand, as Bruce pointed out, if it is a 78L08 you've solved your problem. If you let the smoke out of it, you didn't know whether it was a useful part anyway!

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----  
Date: Sat, 21 Apr 2001 09:30:07 -0500  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: "QRP List" <qrp-l@Lehigh.EDU>  
Cc: "pigs" <fpqrp-l@mpna.com>  
Subject: [96815] Weird RFI problem  
Message-ID: <000d01c0ca6f\$939f38c0\$2030aec7@dandooley>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've discovered a new RFI problem here. It shows up when my home stereo

system is receiving in the AM BC band. It's not present when the (Kenwood) audio/video surround receiver is turned to FM, CD, or any of the video inputs. Only AM.

It sounds like a loud motorboating (low pitched) and drowns out any station sound. It is variable in loudness with the volume control. It can be heard across the band.

I'm operating QRP (2 watts) PSK31 and today I am on 15 metres. I have also noticed it when operating SSB on 17 m. That was at 5 watts.

I put a ferrite wrap around core on the power cord, but that didn't help and now that I see it is responsive to the volume control, I would doubt that it's coming in via the power cord anyhow.

There are of course lots of inputs to the receiver. CD player, satellite receiver, VCR, etc. The AM antenna is a small loop that came with the receiver. Sets on top of the TV a foot or two away.

I find it hard to understand how a signal generated at 21 MHz could come through a receiver set to receive a 1 MHz sig. What am I missing?

Dan W. Dooley WB5TKA Bedford, Texas EM12ku

e-mail to: dandoooley@pipeline.com

Web site: <http://www.qsl.net/wb9tka>

SOC #198, FPQRP # -104

May Goddes love blest ye alle

"Ancient Pistol, I do partly understand your meaning."

-----

Date: Sun, 22 Apr 2001 10:56:17 -0500

From: Bryn Joynes <bryn@pcpractice.com>

To: "Dan W. Dooley" <dandoooley@pipeline.com>

Cc: QRP List <qrp-l@Lehigh.EDU>, pigs <fpqrp-l@mpna.com>

Subject: [96816] Re: [fpqrp] Weird RFI problem

Message-ID: <3AE2FF21.EF24B62E@pcpractice.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Dan,

This may not help you, but thought I would throw it in for general information that may help someone else. I found similar interference on my HF radio across a lot of the frequencies, it turned out to be my network hub.

Bryn  
N4VM

-----  
Date: Sat, 21 Apr 2001 11:00:17 EDT  
From: DYARNES@aol.com  
To: qrp-1@lehigh.edu  
Subject: [96817] Amazing Analyzer Arrives in Tucson  
Message-ID: <bb.da6ec61.2812fa81@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi all,

Just a note to those who might be interested. My Atlas Analyzer arrived yesterday (Friday Apr. 20th) in good order. Pretty darn fast service from the U.K. I would say. I am pleased to tell you that there was no VAT (Value Added Tax) charged on the unit. I wasn't sure about it, but apparently when products are shipped directly out of the country, the tax does not apply. Anyway, it was marked "E", which I interpret as meaning "exempt", on the invoice. The charge for the unit was 46.8 pounds (about \$67A U.S.), plus 10 pounds (about \$14) for airmail shipping. Apparently there is no problem with customs either.

I have to tell you that, in the course of placing this order, I had a very pleasant series of exchanges by email with one of the company's employees (customer service ???--I'm not sure) named Jeremy Siddons. He was extremely helpful and prompt about getting this order processed. A very fine fellow besides. Anyway, if you have questions or problems you might address them to him personally. I hope he won't mind my giving his name out. I'm sure he will treat you every bit as well as he did me.

The Atlas works great, and I have tested a bunch of odd items already.

Dave W7AQK

-----  
Date: Sat, 21 Apr 2001 09:34:04 -0600  
From: Andrew Madsen <andrew@utahdesign.com>  
To: "Dan W. Dooley" <dandooley@pipeline.com>  
Cc: QRP List <qrp-1@lehigh.EDU>, pigs <fpqrp-1@mpna.com>  
Subject: [96818] Re: [fpqrp] Weird RFI problem  
Message-ID: <3AE1A86C.3F9B90CA@utahdesign.com>  
MIME-Version: 1.0



Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Dan,

What kind of power supply are you using? I use an SEC 1223, and it makes the AM BC band unusable when it is turned on. It makes a sound much like what you describe. When you turn it off, of course the interference goes away. Something to check anyway.

73,  
Andrew AC7CF

"Dan W. Dooley" wrote:

> I've discovered a new RFI problem here. It shows up when my home stereo  
> system is receiving in the AM BC band. It's not present when the (Kenwood)  
> audio/video surround receiver is turned to FM, CD, or any of the video  
> inputs. Only AM.  
>  
> It sounds like a loud motorboating (low pitched) and drowns out any station  
> sound. It is variable in loudness with the volume control. It can be heard  
> across the band.  
>  
> I'm operating QRP (2 watts) PSK31 and today I am on 15 metres. I have also  
> noticed it when operating SSB on 17 m. That was at 5 watts.  
>  
> I put a ferrite wrap around core on the power cord, but that didn't help and  
> now that I see it is responsive to the volume control, I would doubt that  
> it's coming in via the power cord anyhow.  
>  
> There are of course lots of inputs to the receiver. CD player, satellite  
> receiver, VCR, etc. The AM antenna is a small loop that came with the  
> receiver. Sets on top of the TV a foot or two away.  
>  
> I find it hard to understand how a signal generated at 21 mHz could come  
> through a receiver set to receive a 1 mHz sig. What am I missing?  
>  
> Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
> e-mail to: dandooley@pipeline.com  
> Web site: <http://www.qsl.net/wb9tka>  
> SOC #198, FPQRP # -104  
> May Goddes love blest ye alle  
> "Ancient Pistol, I do partly understand your meaning."  
>  
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-l -

--  
73,

Andrew R. Madsen AC7CF  
ac7cf@youngradioamateurs.com  
<http://www.youngradioamateurs.com/>  
League of Young Radio Amateurs  
Utah Section Manager  
Electronics Committee Chairman  
CW/QRP Committee Co-Chairman

-----  
Date: Sat, 21 Apr 2001 11:59:48 -0400  
From: "Brian B. Riley, N1BQ" <n1bq@wulfden.org>  
To: "Nvqs-Y" <nvqs@yahooogroups.com>, "NJ-QRP List" <njqrp@njqrp.org>, "Low Power  
Amateur Radio Discussion" <qrp-l@lehigh.EDU>,  
"W1IU Jack Frake" <JFRAKE73@aol.com>, "VE2EQL John Grow"  
<jgrow@sympatico.ca>, "Stetson, Ralph \ (KD1R\)" <kd1r@arrl.net>,  
Subject: [96819] Items for sale - all accounted for - tn timer  
Message-ID: <LPBBJAGIPFHKPJENAKLOKEMBEGAA.n1bq@wulfden.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The items I placed out for sale, the SWL WM-75, the OHR100a/40m,  
OHR100a/30m, the 10 turn pot for an OHR100, and the MFJ-9020 have all  
been promised. If anyone is still interested in the items feel free to  
contact me next Friday, the deadline I have set for receipt of checks  
from the first promisees ... Thanks all for helping me do this.

72/73 de brian, n1bq

--  
N1BQ-3 @ 44 31.73N 072 51.55W  
WideN-N digi and weather station in Underhill Center, VT  
<mailto:n1bq@wulfden.org>  
NoVT QRP Society <<http://www.wulfden.org/NVQS/>>  
AMSAT LM-1418      NJQRP #274      ARS #915  
QRP-L #2276      Zombie #768      NVQS #002

-----  
Date: Sat, 21 Apr 2001 11:20:21 -0500  
From: David Gauding <david.gauding@bbs.galilei.com>  
To: qrp-l@lehigh.edu

Subject: [96820] Fifty on 20CW with SLQ!

Message-ID: <5.1.0.14.0.20010420235209.009feec0@bbs.galilei.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Good morning portable antenna fans!

Reporting that I recently accumulated fifty countries running two watts or less on 20CW. Not a lot of power and not a lot of antenna either, for this project.

I used a St. Louis Quickie. It's a homebrew ground-mounted portable vertical. This downsized antenna features the loaded ribbon cable radiator introduced by the St. Louis Express several years ago.

Earlier this winter, I used an SLX to work fifty countries running five watts or less on 40CW. Now the same accumulation has been repeated with the SLQ on 20CW. I believe both tests are mutually confirming. Further, that the design concept is useful for both fixed and portable applications.

The SLQ log contains: PP, YN, V4, DL, G, FY, PJ8, I, HC, YV, CO, 3G0, 6Y, LU, UA, F, KL7, VE, TI, UA9, LZ, V5, YU, VP2V, OH, ES, YL, LA, S5, KH6, PJ4, KP4, UA2, T9, UN, P4, HA, XE, 3B8, EA, VY1, HI, VP5, YO, 8P, HP, J3, 9A, SM, HK0, and EM. Namibia and Easter Island were pleasant surprises but Mauritius was one of those memorable shaking-fist things! <g>

The St. Louis Quickie article was re-printed in the Summer 2000 issue of QRP Homebrewer. The antenna uses the same fiberglass tube support (kite tubing) and portable radial system as the St. Louis Vest Pocket Vertical. For convenience, I combined both designs into one article.

The SLVPV uses a tapped air-wound 10-20M St. Louis Coil for builders preferring a more traditional approach to antenna design. And, no tuner is required for multi-banding. I use either antenna with equal enthusiasm. But, for trailside or short-time portable operating (i.e. lunch-time) the simplified SLQ radiator gets the nod every time.

The SLQ is only 11.5' tall including its push-in (foot-powered) mounting base. This free-standing antenna system fits into a 17' diameter footprint. Packed weight with accessories (not including feedline) is about 28 ounces.

The design uses eight St. Louis Radials with all conductors cut to 8.5' or an eighth-wave on 20M. The number chosen is a compromise between performance potential and convenience but is effective for informal operating.

The feedline is RG-58 and includes a scramble-wound choke balun. The pcb feedpoint disk holds a bulkhead BNC or SO-239 termination. And, provides the attachment point for alligator clips used by the portable radials.

That's all there is to the antenna. It installs and retrieves very quickly and takes up little space. That translates to a 14" x 2" diameter package when disassembled plus ribbon cable radials and radiator nested in a small round rubber kitchen container.

Also want to mention that in addition to being resonant on 20M the ribbon cable radiator can be tuned remotely from 10-20M with an external or internal antenna tuner. Both the SLQ and the SLX have been successfully tested with the K2 tuner option.

I can't offer you an informed electrical explanation for why the SLQ or SLX antenna systems work. I just let the log do the talking whether its DXing or milliwatting. It's a common sense approach and I feel most hams grasp the picture easily.

Next winter, I'm planning for fifty countries on 30CW running a couple of watts and the ersatz ribbon cable radiator. Then we will see what is possible running an extended version on 80M. That vertical will be about 45' tall and suspended from a St. Louis Shaft. I've never chased DX on eighty before so am looking forward to it.

Finally, the recently completed SLQ test was conducted with exactly the same antenna that I run for portable. No surprises, qualifiers or enhancements for the back-yard tests. So with all of this in mind if you would like to give the project a try I don't think you will be disappointed.

If you have questions or comments about the St. Louis Quickie please let me know.

Regards,

de Dave, NF0R      nf0r@slacc.com

-----  
Date: Sat, 21 Apr 2001 12:32:08 -0400  
From: hamjoel@juno.com  
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu  
Subject: [96821] Phil de package came in..  
Message-ID: <20010421.123520.-1828143.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks Phil

got the package today...  
also recovered my wooden dowel so I may be able to get the 3 element  
fotty up soon...  
kella joel  
in maine

-----  
GET INTERNET ACCESS FROM JUNO!  
Juno offers FREE or PREMIUM Internet access for less!  
Join Juno today! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Sat, 21 Apr 2001 12:51:06 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: qrp-1@lehigh.edu  
Subject: [96822] re Regulators  
Message-ID: <5.0.2.1.0.20010421124657.00a82140@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Jim and gang  
This is really strange.  
I looked the TA78 and the 78L08 up in the ECG book and they both  
cross to 5 (yes five) Volt regulators.  
Pete NV4V

-----  
Date: Sat, 21 Apr 2001 09:52:05 -0700  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [96823] Re: 10 Turn Pot For SW40+  
Message-ID: <MABBJOEABOILMKCJCLFCOENCCBAA.n6wg@earthlink.net>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ken

I put in a 10-turn pot I picked up at a flea market. Also got the 10-turn counter dial on it, all for \$5 so not a bad deal.

Since it is just a voltage divider, the exact value doesn't matter much, anything 5k to 50K would do just fine.

I tweaked my vfo so that the rig tunes 7000 to 7050, making calibration fairly easy. By adding a fixed resistor from the wiper terminal of the pot to ground, I was able to spread the first 25kHz over the first 500 counts on the dial, and the second 25 kHz over the second 500 counts. 7040 comes out very close to 800 on the dial.

To get this tuning range, I had to add some variable trimmer caps to allow me to tweak both the low and high ends of the range to get them just so.

Might be more work than some folks feel like bothering with. You could just take whatever range you get, and make up a calibration chart with the 0-1000 count tuning dial.

73, Bob N6WG

-----  
Date: Sat, 21 Apr 2001 09:55:25 -0700 (PDT)  
From: Tom Popovic <ki3r@yahoo.com>  
To: henryf@quartz.gly.fsu.edu, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96824] Re: Harbor Freight?  
Message-ID: <20010421165525.59270.qmail@web11201.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hello all ... I have been dealing with Harbor Freight for a number of years. I have never been given the short end in any dealings. I have even bought some power tools from them. My door planer has saved by more than \$49.95 worth of trips to the confessional for using bad language. My \$129.95 wet saw has cut all the ceramic tile in my home and my brothers plus 2 porch floors with quarry tile and all on the same 7 dollar blade. I would not want to figure the multiple rentals plus time overruns that I would have had to pay for. The stuff is good enough for my modest needs ...now professional use thats something else. 73 Tom

KI3R Port Vue nr Pittsburgh  
--- Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
wrote:

> I find that the cheap stuff gives me 70-80% of the  
> utility at 40% of the  
> cost.  
>  
> Henry  
>  
>

=====

The common good was the claim and justification of every  
tyranny ever established over men. Every major horror of  
history was committed in the name of altruistic motive...  
Actors change, but the course of the tragedy remains the  
same. Ayn Rand 1943

-----  
Do You Yahoo!?

Yahoo! Auctions - buy the things you want at great prices  
<http://auctions.yahoo.com/>

-----  
Date: Sat, 21 Apr 2001 12:33:57 -0500  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: "Andrew Madsen" <andrew@utahdesign.com>  
Cc: "QRP List" <qrp-l@Lehigh.EDU>, "pigs" <fpqrp-l@mpna.com>  
Subject: [96825] Re: [fpqrp] Weird RFI problem  
Message-ID: <004301c0ca89\$53734f10\$2030aec7@dandooley>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'm using a SEC also. Model number? Not sure - I'd have to dig up the  
manual or turn it around and look at the back - but it is the 25 amp model.

Don't think that's the problem as it does not cause noise just by being on.  
I only have the problem when I TRANSMIT. Otherwise, it causes no noise in  
the stereo receiver, or for that matter the stereo receiver I have in the  
shack. Should have mentioned, the affected receiver is in a different part  
of the house.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
e-mail to: dandooley@pipeline.com  
Web site: <http://www.qsl.net/wb9tka>  
SOC #198, FPQRP # -104  
May Goddes love blest ye alle

"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: "Andrew Madsen" <andrew@utahdesign.com>  
To: "Dan W. Dooley" <dandooley@pipeline.com>  
Cc: "QRP List" <qrp-1@Lehigh.EDU>; "pigs" <fpqrp-1@mpna.com>  
Sent: Saturday, April 21, 2001 10:34 AM  
Subject: Re: [fpqrp] Weird RFI problem

> Hi Dan,  
> What kind of power supply are you using? I use an SEC 1223, and it  
makes  
> the AM BC band unusable when it is turned on. It makes a sound much like  
what  
> you describe. When you turn it off, of course the interference goes away.  
> Something to check anyway.  
>  
> 73,  
> Andrew AC7CF  
>

-----

Date: Sat, 21 Apr 2001 14:02:02 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <plburbank@kih.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96826] Re: re Regulators  
Message-ID: <001301c0ca8d\$2d23e320\$0600a8c0@dad>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've seen books that do that. The parts are all part of one generic 'family' where the 'xx' in '78xx' is the fixed output voltage. A lot of references just give you the 5v part and tell you 'about' the rest. (They would do the same for the 79xx parts, and the 78Lxx, and the 79Lxx, and 78Hxx...)

Saved a lot of paper in it's day. Now... I suppose it saves electrons.



Mike

> Jim and gang  
> This is really strange.  
> I looked the TA78 and the 78L08 up in the ECG book and they both  
> cross to 5 (yes five) Volt regulators.  
> Pete NV4V

-----  
Date: Sat, 21 Apr 2001 12:29:46 -0600  
From: Andrew Madsen <andrew@utahdesign.com>  
To: "Dan W. Dooley" <dandooley@pipeline.com>  
Cc: QRP List <qrp-l@Lehigh.EDU>, pigs <fpqrp-l@mpna.com>  
Subject: [96827] Re: [fpqrp] Weird RFI problem  
Message-ID: <3AE1D19A.3ED8FD7F@utahdesign.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have the 25 amp model also. It creates RFI through out the house, and out into the front yard (my dad can hear it in his car radio all the way down the driveway). The sound and affected frequencies of the interference change depending on the load on the power supply. That could explain why it only is a problem when you transmit. Try hooking the radio up to a battery and see if the problem goes away.

73 GL,  
Andrew AC7CF

"Dan W. Dooley" wrote:

> I'm using a SEC also. Model number? Not sure - I'd have to dig up the  
> manual or turn it around and look at the back - but it is the 25 amp model.  
>  
> Don't think that's the problem as it does not cause noise just by being on.  
> I only have the problem when I TRANSMIT. Otherwise, it causes no noise in  
> the stereo receiver, or for that matter the stereo receiver I have in the  
> shack. Should have mentioned, the affected receiver is in a different part  
> of the house.  
>  
> Dan W. Dooley WB5TKA Bedford, Texas EM12ku  
> e-mail to: dandooley@pipeline.com  
> Web site: <http://www.qsl.net/wb9tka>

> SOC #198, FPQRP # -104  
> May Goddes love blest ye alle  
> "Ancient Pistol, I do partly understand your meaning."  
>  
> ----- Original Message -----  
> From: "Andrew Madsen" <andrew@utahdesign.com>  
> To: "Dan W. Dooley" <dandooley@pipeline.com>  
> Cc: "QRP List" <qrp-l@Lehigh.EDU>; "pigs" <fpqrp-l@mpna.com>  
> Sent: Saturday, April 21, 2001 10:34 AM  
> Subject: Re: [fpqrp] Weird RFI problem  
>  
> > Hi Dan,  
> > What kind of power supply are you using? I use an SEC 1223, and it  
> makes  
> > the AM BC band unusable when it is turned on. It makes a sound much like  
> what  
> > you describe. When you turn it off, of course the interference goes away.  
> > Something to check anyway.  
> >  
> > 73,  
> > Andrew AC7CF  
> >

--  
73,  
Andrew R. Madsen AC7CF  
ac7cf@youngradioamateurs.com  
<http://www.youngradioamateurs.com/>  
League of Young Radio Amateurs  
Utah Section Manager  
Electronics Committee Chairman  
CW/QRP Committee Co-Chairman

-----  
Date: Sat, 21 Apr 2001 14:35:41 -0400  
From: "William Mabry" <n4qa@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [96828] DSW-X0/PC tuning program, progress report  
Message-ID: <F11nurzwcDOX8UGxH0R000150e9@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hi, folks.  
I have left the '386sx-20 mHz portable in the dust and am now developing the  
program on the IBM PC350-P90 mHz machine.

Program goals (all with NO MODS to the DSW-X0):

- 1) To allow the user to quickly tune a DSW-X0 over a range of two mHz or more around its particular amateur band.
- 2) To provide the user with deadly accurate frequency display to 100 Hz resolution.
- 3) To allow the user to specify the printer port's base address on his/her particular machine.
- 4) To allow the user to specify his/her machine speed so as to appropriately adjust critical timing routines.
- 5) To allow the user to specify which rig model...DSW-80/40/30/20 is in use.
- 6) To allow the user to specify which encoder was included in his/her kit.
- 7) Future goals TBA.

Goals 1, 2 and 3 have been met to date.

Goals 4, 5 and 6 will be met as time allows.

Goal 7 ?...we'll see.

Anyway, I have an honest-to-gosh .exe file which works, NOW with the following:

- 1) DSW-40 (only the DSW-40 for now) with the rotary encoder shipped prior to last-batch DSWs. By the way, the rotary encoder must be disconnected from DSW-40, J1 while the PC has control of DSW-40, J1.
- 2) IBM PC350-P90 personal computer running DOS 7.0 or whatever it is when you are running Windows 95, click on start, click on shutdown, and click on restart in DOS mode...yes the program is a DOS application and, as such, runs most reliably when the PC is restarted in DOS mode (NOT just clicking the windows DOS prompt icon). We'll deal with a Windows version in future :)

-----  
More-capable iterations of the program TBA.

Anybody out there wanna play with a copy of this iteration? The DSWTUNE.exe file, that is.

73,  
Bill, N4QA

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com>

-----  
Date: Sat, 21 Apr 2001 15:49:28 -0400  
From: Ed Kessler <edkess@pa.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96829] SWR Formula ?  
Message-ID: <5.0.2.1.0.20010421154717.00a10bc0@mailhost.epix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Does anyone have quick reference to the formula used to calculate SWR from known Reflected and Forward power? I've checked most of my books and can't seem to find it. Guess I should know it in my head.

73s  
Ed AA3SJ

-----  
Date: Sat, 21 Apr 2001 20:25:19 -0000  
From: tf3vst@vortex.is (Villi Idunni)  
To: <edkess@pa.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96830] Re: SWR Formula ?  
Message-ID: <002701c0caa1\$2faa28c0\$1bf7fea9@digranes>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

No problem (but the problem writing a formula in this text editor hihi)

$$\text{SWR} = \frac{1 + \sqrt{\text{reflected pwr} / \text{forwarde pwr}}}{1 - \sqrt{\text{reflected pwr} / \text{forwarde pwr}}}$$

Simple ??

72 de Villi TF3VS

----- Original Message -----

From: Ed Kessler <edkess@pa.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: 21. apr 1 2001 19:49

Subject: SWR Formula ?

> Does anyone have quick reference to the formula used to calculate SWR from  
> known Reflected and Forward power? I've checked most of my books and  
can't

> seem to find it. Guess I should know it in my head.

>

> 73s

> Ed AA3SJ

>

-----  
Date: Sat, 21 Apr 2001 21:10:36 +0100

From: "TC Dufresne" <tdufres@radiks.net>

To: <qrp-1@Lehigh.EDU>

Subject: [96831] QRP to Yukon, NT!

Message-ID: <000e01c0ca9f\$21f9be40\$0501a8c0@computer1>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I just got the BEST reason for homebrew rigs! Was just finishing up yardwork, and decided to see what was happening on 15 meters. Hooked up my homebrew 15 meter rig, you know, the one from a 1980 ARRL handbook, and fired 'er up. RIGHT AWAY I hear "VY1BD" coming back to me, copying on my fine Radio Shack DX-398. I can't believe it! On three watts! Cool! So, I start copying, and after I send him all my info, he comes back "how many watts Tom?" Apparently he couldn't believe it either. ;) Now, I'm sure its no record, or even close, but it's sure fun to hear MY CALL coming over the ol' DX-398 in from Yukon Territory. We have a great chat, and I am just doing the happy dance as I send my finals. Then, I hear a "CQ CQ DE W6STU/QRP" and I holler back at him (if 3 watts can holler). He says he is working QRP as well, and we have another great QRP chat using no more wattage between then would light a small lamp! He says FB ON UR HMEBRU,

ES WHAT DID U SAY UR RCVR ES ANT?" I give him the info and HE can't believe it either! Whew, too much happy dancing, my dogs are tired, and there's more yardwork to do too!

Anyway, thanks for listening. Now fire up that homebrew and go get 'em!

Tom

KC0GXX

-----  
Date: Sat, 21 Apr 2001 18:17:54 -0400  
From: "Pastor-KC1DI" <elbc@pivot.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [96832] Help, Century 21  
Message-ID: <001301c0cab0\$ea87d840\$4a7961ce@elbc>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Hi All ,  
Need a Little Help. If there is anyone familiar with the Ten Tec Century 21 I have one that will only do about 300 M.W. output. Don't know if the Finals or Drivers are Gone.. But what voltages i've been able to check seem to be good. Any help appreciated.  
73 DAVE KC1DI

---  
Outgoing mail is certified Virus Free.  
Checked by AVG anti-virus system (<http://www.grisoft.com>).  
Version: 6.0.250 / Virus Database: 123 - Release Date: 4/18/01

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End of QRP-L Digest 2166  
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